CONTENTS OF VOLUME II

ORIGINAL CONTRIBUTIONS

ARMSTRONG, E. A. The Ecology of Distraction Display 121

BALL, J. N., *see* JONES, J. W.

BALLARD, C. F. Clinical Observations on Variations in Oro-facial Behaviour in man .. 37

BANKS, C. J. The Searching Behaviour of Coccinellid Larvae 37

BOLWIG, N. The Role of Scent as a Nectar Guide for Honeybees on Flowers and an Observation on the Effect of Colours on Recruits 81

BOLWIG, N. The Influence of Light and Touch on the Orientation and Behaviour of *Gonodactylus glabrous* Brooks 144

BULLOUGH, W. S. Hormones in the Neural Analysis of Behaviour (Title only) 116

CHANCE, M. R. A. The Suppression of Audiogenic Hyperexcitement by Learning in *Peromyscus maniculatus* 31

CHAPMAN, R. F. Responses of *Locusta migratoria migratorioides* (R. & F.) to Light in the Laboratory 146

DONALD, H. P. Behaviour in Cattle with Special Reference to Twins 117

EAYRS, J. T. An Apparatus for Analysing the Pattern of Spontaneous Activity in Laboratory Animals 20

EAYRS, J. T. Spontaneous Activity in the Rat 25

ENGLAND, G. J. Observations on the Grazing Behaviour of Different Breeds of Sheep at Pantyrhuad Farm, Carmarthenshire 56

GABBUTT, P. D. Notes on the Mating Behaviour of *Nemobius sylvestris* (Bosc) (Orth., Gryllidae) 84

GORDON, J. G., TRIBE, D. E., and GRAHAM, T. C. The Feeding Behaviour of Phosphorus-Deficient Cattle and Sheep 72

GRAHAM, T. C., *see* GORDON, J. G.

GRÜNEBERG, H. "Behaviour" Mutants in the Mouse 118

HALDANE, J. B. S. Introducing Douglas Spalding 1

HALDANE, J. B. S. The Genetical Determination of Behaviour 118

HALDANE, J. B. S. and SPURWAY, HELEN. A Statistical Analysis of Some Data on Communication in *Apis mellifera* 38

HASKALL, P. T. An Automatic Recording Maze for Insect Behaviour Studies 153

HINDE, R. A. Change in Responsiveness to a Constant Stimulus 41

HOLST, E. VON. Relations Between the Central Nervous System and the Peripheral Organs .. 89

HUNTER, R. F. Some Notes on the Behaviour of Hill Sheep 75

JONES, J. W., and BALL, J. N. The Spawning Behaviour of Brown Trout and Salmon .. 103

KALMUS, H. The Clustering of Honeybees at a Food Source 63

KALMUS, H. Finding and Exploitation of Dishes of Syrup by Bees and Wasps 136

KENNEDY, J. S. Is Modern Ethology Objective? 12

PENROSE, L. S. Genetical Influences on Human Behaviour 117
SMITH, J. E. Nervous Anatomy and Behaviour Patterns (Title only) 116
SPALDING, D. Instinct : with Original Observations on Young Animals 2
SPURWAY, HELEN, *see* HALDANE, J. B. S.
TAYLOR, E. L. Grazing Behaviour and Helminthic Disease 61
TINBERGEN, N. Some Neurophysiological Problems Raised by Ethology 115
TRIBE, D. E. The Influence of Exercise on the Selection of Food by Rats 140
TRIBE, D. E., *see* also GORDON, J. G.
VOWLES, D. M. The Function of the Corpora Pedunculata in Bees and Ants 116
WOOD-GUSH, D. G. M. The Courtship of the Brown Leghorn Cock 95
YOUNG, J. Z. The Importance of Neural Analysis in the Study of Animal Behaviour (Title only) 116

PROCEEDINGS OF THE ASSOCIATION 37

SYMPOSIA

BEHAVIOUR AND THE NERVOUS SYSTEM 115
GENETICS AND BEHAVIOUR 117

CORRESPONDENCE

KALMUS, H. Dorsal Light Reaction of Flying Insects 36

BOOK REVIEWS

BURTON, M. Animal Courtship 79
CAMPBELL, B. Bird Study : the Journal of the British Trust for Ornithology 116
CROMPTON, J. Ways of the Ant 159
GENTZ, K. Im Reiche des Fischreiher 161
IERSEL, J. J. AVAN. An Analysis of the Parental Behaviour of the Male Three-spined Stickleback (*Gasterosteus aculeatus*) 160
JACK, A. Feathered Wings 119
KATZ, B. Animals and Men 79
LOCKLEY, R., and RUSSELL, ROSEMARY. Bird Ringing 79
LORENZ, K. Z. King Solomon's Ring 39
LOWE, F. A. The Heron 161
RIBBANDS, C. R. The Behaviour and Social Life of Honey Bees 39
ROTHSCHILD, MIRIAM, and CLAY, THERESA. Fleas, Flukes and Cuckoos: a Study of Bird Parasites 39
SCOTT, P., and FISHER, J. A Thousand Geese 159
SIMMS, E. Bird Migrants 159
TINBERGEN, N. The Herring Gull's World 160